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## Patent Abstracts of Japan

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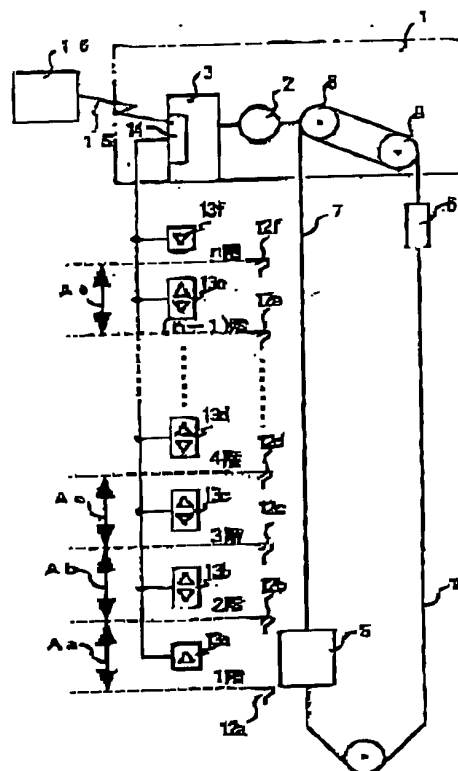
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APPLICANT : HITACHI BUILDING SYST CO LTD;

INVENTOR : HATSUTORI SHIGENORI;

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TITLE : DETECTION METHOD FOR  
DEGRADATION OF MAIN ROPE OF  
ELEVATOR



ABSTRACT : PROBLEM TO BE SOLVED: To provide a detection method for degradation of a main rope in an elevator which can easily detect the local degradation of the main rope.

SOLUTION: Call register signals of a car 5 to be output from each of call buttons 13a-13e of the car 5 are input in a processor 14 in a control unit 3, and also the travelling times of the car 5 in regions Aa-Ae among floors are calculated by the processor 14 based on the call register signals. The obtained travelling record data of the car 5 are compared with predetermined decision values for degradation to specify the region between certain floors where the car 5 travels most frequently, for example, a region Aa between a first floor 12a and a second floor 12b. Then, the local degradation of a main rope 7 is inspected by confirming a portion of the main rope 7 which corresponds to the region Aa.

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